

AMENDMENTS TO THE SPECIFICATION WITH MARKINGS TO SHOW

CHANGES MADE

Amend the following paragraph(s):

[0013] --According to yet another advantageous feature of the invention, the machine can be provided with an UltraThinClient™ lacking built-in intelligence. An UltraThinClient™ without built-in intelligence which converts the user input into bus telegrams and receives the incoming telegrams with information to be displayed (e.g., the pixel data for a monitor) can be used in particular for locally controlling the machine.--

[0021] --Unidirectional or bidirectional data and control information is transferred between the computer 1 and the machines 3a and 3b via a bus system 2. An input/output (I/O) unit 4a which can include several I/O modules (only one of the I/O modules 12a is labeled in the figures for sake of clarity) and an UltraThinClient™ 5a are integrated in the machine 3a. Corresponding I/O modules are directly connected with sensors and actuators located in the machine 3a. Sensors can include, for example, rotation encoders, linear transducers, acceleration sensors, switches, contacts and common measurement systems. Actuators include, for example, the drives of the machine. A corresponding I/O unit 4b which includes several associated I/O modules (only one of the I/O modules 12b is labeled for sake of clarity) and an UltraThinClient™ 5b are integrated in the machine 3b. The machines 3a and 3b

can in addition include other components, which will not be described here and are of lesser importance for understanding of the invention.--.

[0024] --If on-site operation is also desired, so-called UltraThinClients™ 5a and 5b can be used which lack built-in intelligence and instead only convert the user input into bus telegrams and receive the incoming telegrams, such as display information (e.g., the pixel data for the monitor). Process data can be visualized and changed, or data and programs in the computer 1 can be accessed, by using an optional additional terminal 10 which can be located remote from the machines 3a and 3b and the computer 1 and which can also be implemented as an UltraThinClient™ 5a and 5b.--.

[0026] --FIG. 2 shows the software structure of the computer 1 in form of a block diagram. The software structure is configured for the two machines 3a and 3b and the computer 1 depicted in FIG. 1. The computer 1 is managed by an operating system 9. For each machine 3a and 3b there exists in the software a corresponding Human Machine Interface (HMI) server 6a and 6b, a corresponding control function program 7a and 7b, and a workpiece program 8a and 8b, respectively. According to the embodiment depicted in FIG. 2, the HMI server 6a, the control function program 7a and the workpiece program 8a are associated with the machine 3a depicted in FIG. 1. The HMI server 6b, the control function program 7b and the workpiece program 8b are associated with the machine 3b depicted in FIG. 1. A process control program 11 controls a

supervisory overall process between the machines 3a and 3b. The HMI server 6a and 6b is configured to manage and control the associated UltraThinClient™ 5a and 5b which is located on the machine 3a and 3b, respectively (see FIG. 1). The axes movements of the machine 3a and/or 3b which are controlled, for example, by an NC/PLC (Numerical Control/Programmable Logic Control) control, are controlled for each machine separately by the corresponding control function programs 7a and 7b, respectively.--